

Recommended steps to understand the HVTV Flip-Around TV Mount

for MODEL: M3-BI-50-7

Anyone involved should take the time to view the following info and contact Mark with any questions 208-287-8882 x 2

Step 1: Watch videos of **example built-in projects**: Link to YouTube playlist: <https://bit.ly/fabipl> (or find us on youtube by searching "Hidden Vision - HVTVMounts" and navigate to our playlist called "Built-in Flip-Around TV Mounts")

Step 2: Watch Installation Overview VIDEO - <https://bit.ly/fainstalloverview> (Note: This video is meant to prime you with a basic understanding of the installation process. Refer to your model's instructions book and these construction drawings for specific details & dimensions)

Step 3: Refer to the **Built-in Flip Around installation instructions**

Model: M3-BI-50-7 (for 48 to 50" TVs) <https://bit.ly/3nwONJV>

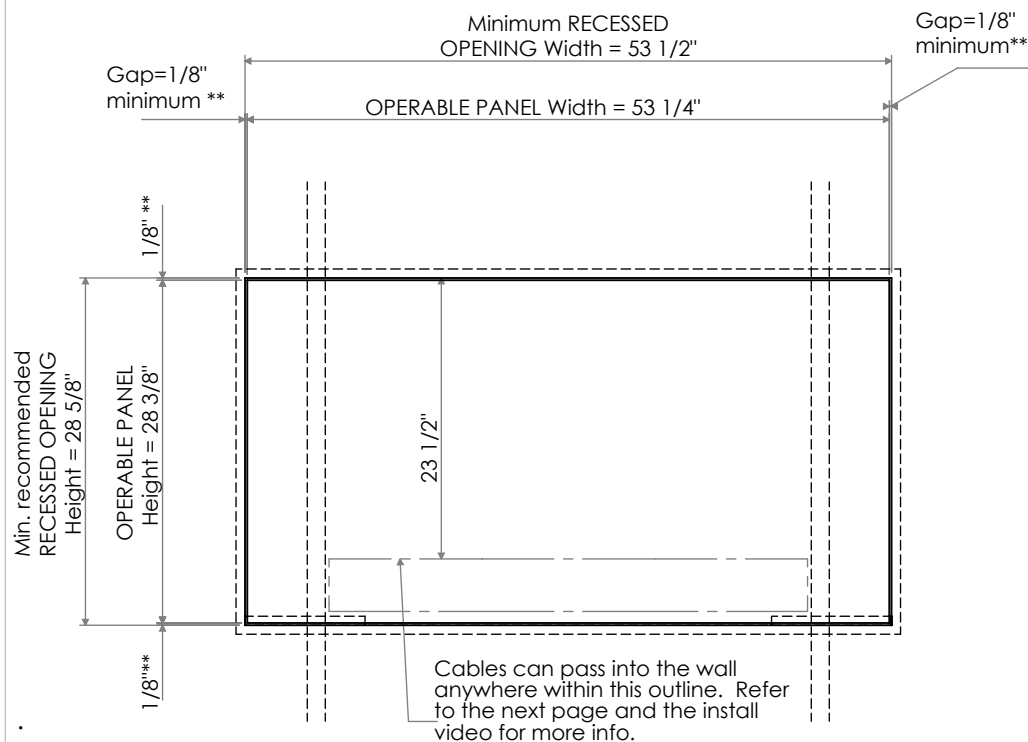
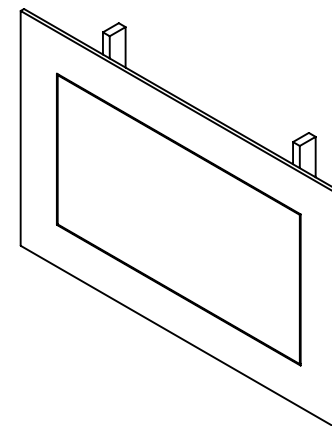
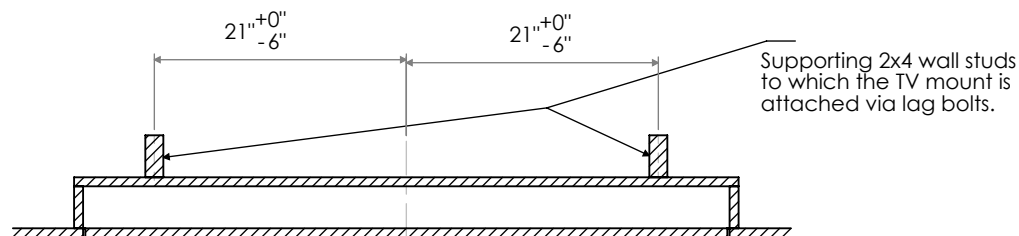
Step 4: Look over the following drawings and read the notes.

Step 5: Purchase and get the product in the hands of your carpenter. Having the product in hand during construction is not required but it is recommended.

QUESTIONS? Please contact us freely! We can surely help. If needed, we are happy to video chat to answer questions efficiently and thoroughly. Contact Mark with Hidden Vision 208-287-8882 x2.

	CONTACT Mark Joseph Design LLC / Hidden Vision TV Mounts Mark Beshara 208-919-5969	CONFIGURATION NAME: BUILT-IN RECESS	QUANTITY NEEDED PER SET:	Drawing #: - Page 1
		FILE NAME: M3-50-7_DRAWINGS FOR RECESSED APPLICATION	DO NOT SCALE DRAWING	Date: 11-10-2021

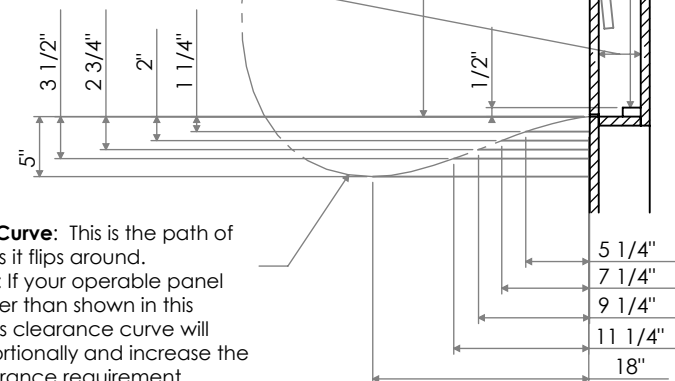
Design flexibility: These drawings show just one option to be used as a guide. Our product allows design flexibility regarding panel/recess size and weight, as well as stud support location, electrical location, and more. If your design requires changes to the dimensions shown in these drawings please contact Mark with Hidden Vision with any questions 208-287-8882 x2.



Install blocks **28 1/8"** from the top of the recessed opening for the Wall Mount to set on. (Do not increase this dimension)

35 3/8" = Clearance required for panel rotation. (Note: If you increase the operable panel height by 'X' amount, then this dimension increases 2X)

3 1/2" (+/-0") = Depth measured from the mounting surface to the back of the operable panel.



Clearance Curve: This is the path of the panel as it flips around. IMPORTANT: If your operable panel height is taller than shown in this drawing, this clearance curve will offset proportionally and increase the overall clearance requirement.

**Minimum Gap: As the operable panel flips around it will exit and re-enter the recessed opening. Therefore, the recessed opening must be larger than the operable panel. We recommend a minimum of 1/8" gap on the sides.

CONTACT
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CONFIGURATION NAME:
RECESS BOX, STUDS, WALL SURROUND

FILE NAME:
M3-50-7_DRAWINGS FOR RECESSED APPLICATION

QUANTITY NEEDED
PER SET:

Drawing #:

Page 2

DO NOT SCALE
DRAWING

Date:
11-10-2021

To understand the electrical requirements it is best to start by watching the install video (<https://youtu.be/GM1LVz5AKGg>) then look over the instructions.

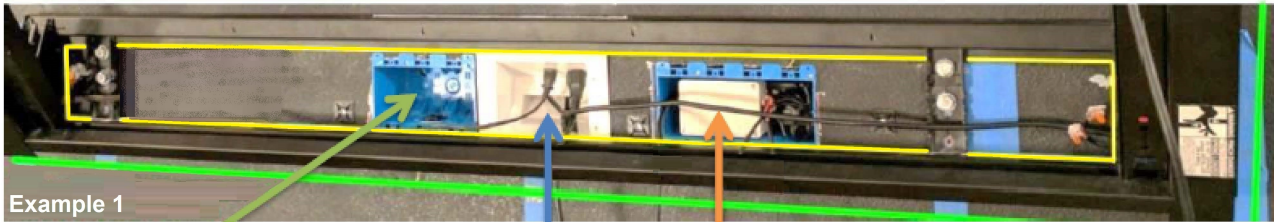
Cable Access / Power Requirements

Numerous products and combinations can be used, however, there are specific details that must be observed.

- 1) Within the Yellow outlined area nothing can protrude more than 1/2" from the wall/mounting surface.
- 2) Within the area BELOW the yellow outlined area no objects should protrude more than 3/16".
- 3) Within the area ABOVE the yellow outline no objects should protrude from the wall if avoidable. If not avoidable you can (in most cases) get away with up to 1/4". Please contact us with questions. We can help.

Here are a couple options we've found to work well. Or SINCE YOU'RE CUSTOMIZING A BUILT-IN consider designing a accessible panel close by where the electronics could be stored. Then just run a conduit to that location.

Electrical should be performed by a licensed electrician. It is your responsibility to verify all electrical components and installation methods meet your local building, safety and fire codes.



Example 1

If you follow example 1
You'll likely need somewhere to stuff extra cable. Installing a **3-GANG "OLD WORK" box** (shown here) is an easy way to accommodate this.

MOTORIZED models:

Motorized models have a power supply and controller box that must be housed in the wall or close by*. These boxes fit nicely in a **4-GANG "OLD WORK" electrical box** as shown here.

*You can relocate the power supply & controller box to a nearby cabinet or closet if you want. HOWEVER, you must use the appropriate gauge wire to avoid 'Voltage Drop' (reduced power to the motors.)

(2 wires per motor = 4 wires total) Up to 20' extension = 14AWG x 4
Up to 35' extension = 12AWG x 4 Up to 50' extension = 10 AWG x 4

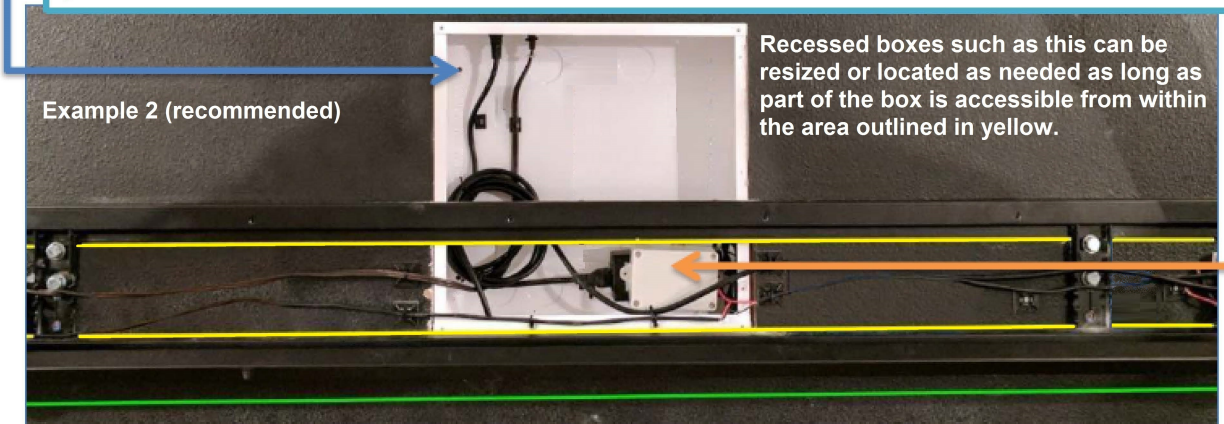
ALL MODELS require a RECESSED Outlet of some kind because the cover plate sits 1/2" from the wall.

Option 1: Power Bridge Two-Pro-12 (found on the **Accessories** page of our website. www.HVTVmounts.com)

Option 2: (shown above) DataComm 45-0071-WH or 45-0024-WH. You can order this item from Amazon by searching the part numbers above. Caution: You can find items that look similar to this at your local hardware store. However, they are likely larger than the example shown above (5" x 7") and may not fit well.

Option 3: Need to pick something up today? You can find the following at your local hardware store. "Duplex RECESSED Outlet," "1-Gang Old Work box," and "Recessed Wall Plate for low voltage cables."

Option 4: (shown below) You can use an in-wall, flush mount, junction box similar to the one shown below. **Caution: Potential interference with picture frame!** As the mount flips around and approaches the TV viewing position, the picture frame will pass closely to the wall/mounting plane. Any Make sure nothing protrudes from the wall ABOVE the YELLOW outlined area. Contact us for more info.



Example 2 (recommended)

Recessed boxes such as this can be resized or located as needed as long as part of the box is accessible from within the area outlined in yellow.

CONTACT
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Hidden Vision TV Mounts
Mark Beshara 208-919-5969

CONFIGURATION NAME:
Electrical and Cable Overview

FILE NAME:
M3-50-7_DRAWINGS FOR RECESSED APPLICATION

QUANTITY NEEDED
PER SET:

Drawing #:

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Page 3

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